

FILE 'STNGUIDE' ENTERED AT 10:19:03 ON 01 JUN 2009
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.07	598.41
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-39.28

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.07	598.41
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-39.28

FILE 'REGISTRY' ENTERED AT 10:19:12 ON 01 JUN 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 MAY 2009 HIGHEST RN 1151391-70-6
DICTIONARY FILE UPDATES: 31 MAY 2009 HIGHEST RN 1151391-70-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

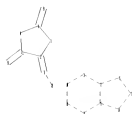
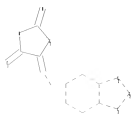
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10590623_new_1.str



```

chain nodes :
7 8 9
ring nodes :
1 2 3 4 5 10 11 12 13 14 15 16 17 18
chain bonds :
2-7 3-8 5-9
ring bonds :
1-2 1-5 2-3 3-4 4-5 10-15 10-11 11-12 12-13 12-16 13-14 13-18 14-15
16-17 17-18
exact/norm bonds :
1-2 1-5 2-3 2-7 3-4 3-8 4-5 5-9 10-15 10-11 11-12 12-13 12-16 13-14
13-18 14-15 16-17 17-18

```

G1:O,S

G2:C,O,S,N

G3:O,S,N

```

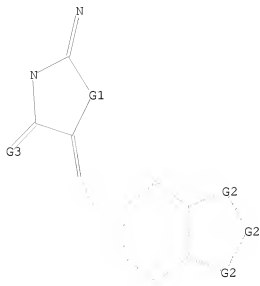
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 21:CLASS

```

L12 STRUCTURE UPLOADED

=> d

L12 HAS NO ANSWERS
L12 STR



G1 O,S
G2 C,O,S,N
G3 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l12 sam

SAMPLE SEARCH INITIATED 10:19:43 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 857 TO ITERATE

100.0% PROCESSED 857 ITERATIONS

25 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 15384 TO 18896

PROJECTED ANSWERS: 200 TO 800

L13 25 SEA SSS SAM L12

=> s l12 full

FULL SEARCH INITIATED 10:21:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 17550 TO ITERATE

100.0% PROCESSED 17550 ITERATIONS

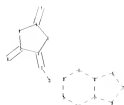
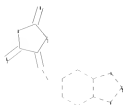
843 ANSWERS

SEARCH TIME: 00.00.01

L14 843 SEA SSS FUL L12

=>

Uploading C:\Program Files\STNEXP\Queries\10590623_new_2.str



```

chain nodes :
7 8 9
ring nodes :
1 2 3 4 5 10 11 12 13 14 15 16 17 18
chain bonds :
2-7 3-8 5-9
ring bonds :
1-2 1-5 2-3 3-4 4-5 10-15 10-11 11-12 12-13 12-16 13-14 13-18 14-15
16-17 17-18
exact/norm bonds :
1-2 1-5 2-3 2-7 3-4 3-8 4-5 5-9 10-15 10-11 11-12 12-13 12-16 13-14
13-18 14-15 16-17 17-18

```

G1:O,S

G2:C,O,S,N

G3:O,S,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 21:CLASS

```

L15 STRUCTURE UPLOADED

=> s l15 sam

SAMPLE SEARCH INITIATED 10:21:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 66 TO ITERATE

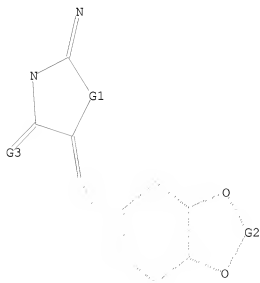
100.0% PROCESSED 66 ITERATIONS
SEARCH TIME: 00.00.01

17 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 833 TO 1807
PROJECTED ANSWERS: 93 TO 587

L16 17 SEA SSS SAM L15

=> d l15
L15 HAS NO ANSWERS
L15 STR



G1 O,S
G2 C,O,S,N
G3 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l15 full
FULL SEARCH INITIATED 10:22:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1667 TO ITERATE

100.0% PROCESSED 1667 ITERATIONS
SEARCH TIME: 00.00.01

551 ANSWERS

L17 551 SEA SSS FUL L15

=> d his

(FILE 'HOME' ENTERED AT 08:00:53 ON 01 JUN 2009)

FILE 'MARPAT' ENTERED AT 08:01:05 ON 01 JUN 2009
 L1 STRUCTURE UPLOADED
 L2 0 S L1 SAM
 L3 2 S L1 FULL

FILE 'REGISTRY' ENTERED AT 09:17:21 ON 01 JUN 2009
 L4 STRUCTURE UPLOADED
 L5 50 S L4 SAM
 L6 STRUCTURE UPLOADED
 L7 50 S L6 SAM
 L8 STRUCTURE UPLOADED
 L9 25 S L8 SAM
 L10 818 S L8 FULL

FILE 'CAPLUS' ENTERED AT 09:21:05 ON 01 JUN 2009
 L11 46 S L10

FILE 'STNGUIDE' ENTERED AT 09:25:07 ON 01 JUN 2009

FILE 'CAPLUS' ENTERED AT 09:52:47 ON 01 JUN 2009

FILE 'STNGUIDE' ENTERED AT 09:52:58 ON 01 JUN 2009

FILE 'REGISTRY' ENTERED AT 10:19:12 ON 01 JUN 2009
 L12 STRUCTURE UPLOADED
 L13 25 S L12 SAM
 L14 843 S L12 FULL
 L15 STRUCTURE UPLOADED
 L16 17 S L15 SAM
 L17 551 S L15 FULL

=> s l14 not l17
 L18 292 L14 NOT L17

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	373.68	972.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-39.28

FILE 'CAPLUS' ENTERED AT 10:22:31 ON 01 JUN 2009
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FILE COVERS 1907 - 1 Jun 2009 VOL 150 ISS 23
 FILE LAST UPDATED: 31 May 2009 (20090531/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

CAPLUS now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate

=> d his

(FILE 'HOME' ENTERED AT 08:00:53 ON 01 JUN 2009)

FILE 'MARPAT' ENTERED AT 08:01:05 ON 01 JUN 2009

L1 STRUCTURE UPLOADED
L2 0 S L1 SAM
L3 2 S L1 FULL

FILE 'REGISTRY' ENTERED AT 09:17:21 ON 01 JUN 2009

L4 STRUCTURE UPLOADED
L5 50 S L4 SAM
L6 STRUCTURE UPLOADED
L7 50 S L6 SAM
L8 STRUCTURE UPLOADED
L9 25 S L8 SAM
L10 818 S L8 FULL

FILE 'CAPLUS' ENTERED AT 09:21:05 ON 01 JUN 2009

L11 46 S L10

FILE 'STNGUIDE' ENTERED AT 09:25:07 ON 01 JUN 2009

FILE 'CAPLUS' ENTERED AT 09:52:47 ON 01 JUN 2009

FILE 'STNGUIDE' ENTERED AT 09:52:58 ON 01 JUN 2009

FILE 'REGISTRY' ENTERED AT 10:19:12 ON 01 JUN 2009

L12 STRUCTURE UPLOADED
L13 25 S L12 SAM
L14 843 S L12 FULL
L15 STRUCTURE UPLOADED
L16 17 S L15 SAM
L17 551 S L15 FULL
L18 292 S L14 NOT L17

FILE 'CAPLUS' ENTERED AT 10:22:31 ON 01 JUN 2009

=> s l18

L19 16 L18

=> d l19 ibib gi abs 1-16 hitstr

=> d his

(FILE 'HOME' ENTERED AT 08:00:53 ON 01 JUN 2009)

FILE 'MARPAT' ENTERED AT 08:01:05 ON 01 JUN 2009

L1 STRUCTURE UPLOADED

```

L2          0 S L1 SAM
L3          2 S L1 FULL

FILE 'REGISTRY' ENTERED AT 09:17:21 ON 01 JUN 2009
L4          STRUCTURE UPLOADED
L5          50 S L4 SAM
L6          STRUCTURE UPLOADED
L7          50 S L6 SAM
L8          STRUCTURE UPLOADED
L9          25 S L8 SAM
L10         818 S L8 FULL

FILE 'CAPLUS' ENTERED AT 09:21:05 ON 01 JUN 2009
L11         46 S L10

FILE 'STNGUIDE' ENTERED AT 09:25:07 ON 01 JUN 2009

FILE 'CAPLUS' ENTERED AT 09:52:47 ON 01 JUN 2009

FILE 'STNGUIDE' ENTERED AT 09:52:58 ON 01 JUN 2009

FILE 'REGISTRY' ENTERED AT 10:19:12 ON 01 JUN 2009
L12         STRUCTURE UPLOADED
L13         25 S L12 SAM
L14         843 S L12 FULL
L15         STRUCTURE UPLOADED
L16         17 S L15 SAM
L17         551 S L15 FULL
L18         292 S L14 NOT L17

FILE 'CAPLUS' ENTERED AT 10:22:31 ON 01 JUN 2009
L19         16 S L18

=> s l17
L20         33 L17

=> d l20 ibib gi abs fhitr 1-33

=> logoff hold

(FILE 'HOME' ENTERED AT 08:00:53 ON 01 JUN 2009)

FILE 'MARPAT' ENTERED AT 08:01:05 ON 01 JUN 2009
L1          STRUCTURE UPLOADED
L2          0 SEA FILE=MARPAT SSS SAM L1
           D L1
L3          2 SEA FILE=MARPAT SSS FUL L1
           D L3 IBIB ABS
           D L3 IBIB ABS 2

FILE 'REGISTRY' ENTERED AT 09:17:21 ON 01 JUN 2009
L4          STRUCTURE UPLOADED
           D
L5          50 SEA FILE=REGISTRY SSS SAM L4
L6          STRUCTURE UPLOADED
           D
L7          50 SEA FILE=REGISTRY SSS SAM L6
L8          STRUCTURE UPLOADED
           D
L9          25 SEA FILE=REGISTRY SSS SAM L8

```

L10 818 SEA FILE=REGISTRY SSS FUL L8
 FILE 'CAPLUS' ENTERED AT 09:21:05 ON 01 JUN 2009
 L11 46 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L10
 D L11 1-46 IBIB GI ABS FHITSTR
 FILE 'STNGUIDE' ENTERED AT 09:25:07 ON 01 JUN 2009
 FILE 'CAPLUS' ENTERED AT 09:52:47 ON 01 JUN 2009
 D L11 13 HITSTR
 FILE 'STNGUIDE' ENTERED AT 09:52:58 ON 01 JUN 2009
 FILE 'REGISTRY' ENTERED AT 10:19:12 ON 01 JUN 2009
 L12 STRUCTURE UPLOADED
 D
 L13 25 SEA FILE=REGISTRY SSS SAM L12
 L14 843 SEA FILE=REGISTRY SSS FUL L12
 L15 STRUCTURE UPLOADED
 L16 17 SEA FILE=REGISTRY SSS SAM L15
 D L15
 L17 551 SEA FILE=REGISTRY SSS FUL L15
 L18 292 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L14 NOT L17
 FILE 'CAPLUS' ENTERED AT 10:22:31 ON 01 JUN 2009
 L19 16 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L18
 D L19 IBIB GI ABS 1-16 HITSTR
 L20 33 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L17
 D L20 IBIB GI ABS FHITSTR 1-33
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 293.86 1265.95
 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL
 ENTRY SESSION
 CA SUBSCRIBER PRICE -40.18 -79.46
 SESSION WILL BE HELD FOR 120 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 10:43:44 ON 01 JUN 2009